

PATENT
Docket 22NORDAM28

In the Claims

Please cancel claim 4, without prejudice; add claim 41; and amend claims 1-3, 7, 8, 10-16, 18, 23-27, 29, 30, 35-37, and 40 as follows:

1. (currently amended) A thrust reverser comprising:
a fan nacelle having radially outer and inner skins extending axially from a leading edge defining an inlet to a trailing edge defining an outlet;
an outer door including forward and aft ends, and pivotally mounted to said nacelle in said outer skin;
an inner door pivotally mounted to said nacelle in said inner skin in opposition with said outer door;
a drive link pivotally joining together said outer and inner doors; and
an actuator joined to said doors for rotation thereof between a stowed position at which said doors are pivoted closed substantially flush in said inner and outer skins, and a deployed position at which said outer door is pivoted open and extends radially outwardly from said outer skin, and said inner door is pivoted open and extends radially inwardly from said inner skin; and
said outer door aft end being axially arcuate and adjoining said inner door in said deployed position for reverse turning airflow from said inner door to said outer door.

2. (currently amended) A reverser according ~~to claim~~ to claim 1 wherein:
said outer and inner skins are spaced radially apart to define a compartment spaced forwardly of said nacelle trailing edge; and
said doors, link, and actuator are contained within said compartment in said stowed position without obstruction inside said inner skin.

PATENT
Docket: 22NORDAM28

3. (currently amended) A reverser according to claim 2 wherein:

said outer door ~~includes forward and aft ends,~~ and is pivotally joined to said nacelle axially ~~therebetween~~ between said forward and aft ends thereof for deploying said forward end radially outwardly from said outer skin, and said aft end radially inwardly from said outer skin; and

said inner door includes forward and aft ends, and is pivotally joined to said nacelle adjacent said aft end of said inner door for deploying radially inwardly said inner door in unfolding opposition to said outer door.

4. (canceled)

5. (original) A reverser according to claim 3 further comprising:

a gang of said outer doors pivotally joined to said nacelle in said compartment in axial alignment atop said inner door;

a unison link pivotally joining together said gang of said outer doors; and

said drive link pivotally joins together said outer door gang and said inner door for deploying outwardly in unison said outer doors as said inner door is deployed inwardly.

6. (original) A reverser according to claim 5 wherein said gang of outer doors are pivotally joined to said nacelle axially between said forward and aft ends of said outer doors for deploying outwardly in unison said forward ends thereof, and deploying inwardly in unison said aft ends thereof.

7. (currently amended) A reverser according to claim 6 wherein said unison link is pivotally joined to forward and aft ones of said outer doors aft of said pivotal joining of said outer doors with said nacelle.

PATENT
Docket 22NORDAM28

nacelle inside said compartment, and is pivotally joined to a forward end of said unison link by an idler link therebetween.

15. (currently amended) A reverser according to claim [[8]] 7 wherein said actuator is pivotally joined to said nacelle inside said compartment, and is pivotally joined to said forward outer door.

16. (currently amended) A reverser according to claim [[8]] 7 wherein said forward and aft outer doors have axially arcuate aft ends, and are axially nested coextensive with said outer skin when stowed.

17. (original) A reverser according to claim 16 wherein said aft end of said forward outer door has axially longer curvature than said aft end of said aft outer door.

18. (currently amended) A reverser according to claim [[8]] 7 wherein:

said nacelle compartment includes a flow tunnel extending radially between said inner and outer skins and is closed by said outer and inner doors when stowed; and

said tunnel has a radially arcuate forward wall being substantially concentric with axially arcuate aft ends of said forward and aft outer doors when deployed.

19. (original) A reverser according to claim 18 wherein said forward wall of said tunnel is inclined axially forward at said nacelle outer skin, and said forward ends of said forward and aft outer doors are disposed substantially parallel thereto when deployed.

20. (original) A reverser according to claim 18 wherein said tunnel includes a perimeter seal adjacent said inner skin against which said inner door compresses when stowed.